

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1389	209/3.1,3.2,906,155,552,576,644,207.ccls.	US-PGPUB; USPAT	OR	ON	2007/09/05 14:52
L2	76	((substrate) and ((thin-film) (thin ajd film)) and (barrier cover top) and (channel path pathway passage) and ((transport pump push) and (heater piezoelectric piezo-electric piezo))).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 14:53
S1	0	"10763112"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 09:59
S2	1	10/763112	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 14:23
S3	0	S1 and substantial\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 10:00
S4	0	S1 and substantial\$2	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 10:00
S5	0	S1 and substantially	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 10:00
S6	1	S2 and substantial\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 10:32
S7	1	"4216477".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 11:32
S8	1	"20030027225"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 10:36
S9	4	("5101978" "4756427" "6382228" "3560754").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 10:36
S10	1	10/763112	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 11:38
S11	225	209/3.1.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/25 11:47
S12	49	209/3.2.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/25 11:41
S13	232	209/155.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/25 12:50

## EAST Search History

S14	200	209/552.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/25 12:59
S15	219	209/576.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/25 13:02
S16	124	209/906.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/25 11:58
S17	315	209/644.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/25 13:05
S18	88	209/207.ccls.	US-PGPUB; USPAT	OR	ON	2006/08/25 13:17
S19	1888	(209/3.1,3.2,155,552,576,906,644, 207).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 11:41
S20	148698	"435".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 11:41
S21	74393	"209".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 11:41
S22	184968	S20 or S21	US-PGPUB; USPAT	OR	ON	2006/08/25 13:18
S23	3216	S22 and microfluid\$3	US-PGPUB; USPAT	OR	ON	2006/08/25 13:20
S24	1164	S23 and sort\$3	US-PGPUB; USPAT	OR	ON	2006/08/25 13:20
S25	312	S24 and (thin near3 film)	US-PGPUB; USPAT	OR	ON	2006/08/25 13:21
S26	47	S25 and ((thin near3 film) same electric\$3)	US-PGPUB; USPAT	OR	ON	2006/08/25 13:39
S27	756	S22 and ((thin adj film) or thin-film) and (heater or piezoelectric or piezo-electric)	US-PGPUB; USPAT	OR	ON	2006/08/25 13:41
S28	30	S27 and (pressure adj pulse)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:16
S29	2	("3984307" "4175662").pn.	US-PGPUB; USPAT	OR	ON	2006/08/25 15:11
S30	1	("6808075").pn.	US-PGPUB; USPAT	OR	ON	2006/08/25 15:12
S31	1	S30 and cell	US-PGPUB; USPAT	OR	ON	2006/08/25 15:12
S32	145	Fluid adj diode	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:05

## EAST Search History

S33	70	("2512743"   "3152858"   "3397278"   "3848118"   "3852773"   "3946398"   "4015271"   "4074284").PN. OR ("4216477").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 11:02
S34	1	10/762688	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 14:23
S35	1345	dielectrophor\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/15 12:19
S36	842	S35 and (transport pump)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 10:31
S37	715	S36 and (sort separate sorter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/15 12:28
S38	794502	WO 02/069016	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/15 12:28
S39	5	"WO 02/069016"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/15 12:28
S40	5	"WO 02/069016"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/01/15 12:29
S41	5	02/069016	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/01/15 12:29
S42	1346	dielectrophor\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 10:31
S43	238	S42 same (transport pump push)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 10:31
S44	199	S43 and (sort separate sorter separator)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 10:53
S45	1	"20020076825"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 10:54

## EAST Search History

S46	1	S45 and dielectrophore\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 10:54
S47	51	("20020005354"   "20020036141"   "20020042125"   "20020055167"   "20020076825"   "20020182627"   "20020182654"   "20030010637"   "20030121788"   "20030134416"   "20030159932"   "20040011652"   "4874507"   "4911806"   "5126022"   "5344535"   "5454472"   "5489506"   "5589047"   "5626734"   "5653859"   "5814200"   "5858192"   "5938904"   "5993630"   "5993631"   "5993632"   "6056861"   "6059950"   "6149789"   "6193866"   "6197176"   "6264815"   "6287832"   "6306272"   "6310309"   "6403367"   "6465225"   "6537433"   "6540895"   "6596143"   "6610188"   "6641708"   "6660493"   "6673225"   "6685812"   "6727451"   "6730204"   "6749736"   "6761811"   "6881314").PN. OR ("7160425"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 13:34
S48	13044	microfluid\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 13:34
S49	10474	S48 and (sort separate segregate fraction fractionate sorter separator)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 13:38
S50	20	S49 and (fluid near4 diode)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 13:36
S51	200	S49 and (((thin near3 film) or ("thin-film"))) with (heater (piezoelectric (piezo adj electric) piezo-electric)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 13:40
S52	5	209/552.ccls. and (rodriguez.xa. or rodriguez.xp.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/19 14:16
S53	78484	"209".clas. (rodriguez.xa. or rodriguez.xp.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/19 14:16
S54	246	"209".clas. and (rodriguez.xa. or rodriguez.xp.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/19 14:16

## EAST Search History

S55	1	S54 and microfluid\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/19 14:16
S56	508	"209".clas. and (fluidized adj bed)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/19 15:55
S57	281	S56 and convey\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/19 16:01
S58	534	209/138.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/19 16:01
S59	226	209/3.1.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/19 16:18
S60	49	209/3.2.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/19 16:18
S61	233	209/155.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/19 16:18
S62	207	209/552.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/19 16:18
S63	223	209/576.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/19 16:18
S64	127	209/906.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/19 16:18
S65	320	209/644.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/19 16:18
S66	88	209/207.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/19 16:18
S67	1360	S60 S59 S64 S61 S62 S63 S65 S66	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/19 16:18
S68	1931	209/3.1,3.2,906,155,552,576,644, 207.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:26
S69	52	tyvoll.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:26
S70	0	"10763112"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:26
S71	1	"10/763112"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 15:27

## EAST Search History

S72	50	(US-5917480-\$ or US-4486015-\$ or US-4858356-\$ or US-4887060-\$ or US-4913426-\$ or US-5566834-\$ or US-5730438-\$ or US-5794790-\$ or US-6208910-\$ or US-3695762-\$ or US-4251796-\$ or US-4255200-\$ or US-4265432-\$ or US-4308065-\$ or US-4317633-\$ or US-4321233-\$ or US-4345574-\$ or US-4349542-\$ or US-4377769-\$ or US-4392804-\$ or US-4397824-\$ or US-4415596-\$ or US-4417701-\$ or US-4428323-\$ or US-4475948-\$ or US-4492294-\$). did. or (US-4506817-\$ or US-4519959-\$ or US-4531956-\$ or US-4540600-\$ or US-4543057-\$ or US-4556328-\$ or US-4557364-\$ or US-4582513-\$ or US-4585330-\$ or US-4590045-\$ or US-4589379-\$ or US-4613938-\$ or US-4627961-\$ or US-4758003-\$ or US-4764103-\$ or US-4764274-\$ or US-4776653-\$ or US-4829178-\$ or US-4850073-\$ or US-4875827-\$ or US-4882044-\$ or US-4885640-\$ or US-4899685-\$ or US-4914878-\$).did.	USPAT	OR	ON	2007/08/01 08:41
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## EAST Search History

S73	50	(US-20020017307-\$ or US-20030002027-\$ or US-20030142291-\$ or US-20030211009-\$ or US-20050173313-\$ or US-20060067615-\$ or US-20020194988-\$ or US-20030124027-\$ or US-20030145724-\$ or US-20030177842-\$ or US-20040091546-\$).did. or (US-3608562-\$ or US-3771988-\$ or US-4544101-\$ or US-4544102-\$ or US-5350118-\$ or US-5568869-\$ or US-6634365-\$ or US-6916454-\$ or US-3615329-\$ or US-3689935-\$ or US-3734295-\$ or US-3917326-\$ or US-3988240-\$ or US-RE30870-\$ or US-4392943-\$ or US-4805641-\$ or US-4894146-\$ or US-4981580-\$ or US-5079959-\$ or US-5188128-\$ or US-5235009-\$ or US-5442850-\$ or US-5538162-\$ or US-5631730-\$ or US-5810902-\$ or US-5851450-\$). did. or (US-5882372-\$ or US-5932813-\$ or US-6213307-\$ or US-6319295-\$ or US-6395197-\$ or US-6409105-\$ or US-6524368-\$ or US-6549275-\$ or US-6570999-\$ or US-6818043-\$ or US-7024316-\$ or US-7029516-\$ or US-7238216-\$). did.	US-PGPUB; USPAT	OR	ON	2007/08/01 08:41
S74	100	S72 S73	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 08:41

## EAST Search History

S75	50	(US-5917480-\$ or US-4486015-\$ or US-4858356-\$ or US-4887060-\$ or US-4913426-\$ or US-5566834-\$ or US-5730438-\$ or US-5794790-\$ or US-6208910-\$ or US-3695762-\$ or US-4251796-\$ or US-4255200-\$ or US-4265432-\$ or US-4308065-\$ or US-4317633-\$ or US-4321233-\$ or US-4345574-\$ or US-4349542-\$ or US-4377769-\$ or US-4392804-\$ or US-4397824-\$ or US-4415596-\$ or US-4417701-\$ or US-4428323-\$ or US-4475948-\$ or US-4492294-\$). did. or (US-4506817-\$ or US-4519959-\$ or US-4531956-\$ or US-4540600-\$ or US-4543057-\$ or US-4556328-\$ or US-4557364-\$ or US-4582513-\$ or US-4585330-\$ or US-4590045-\$ or US-4589379-\$ or US-4613938-\$ or US-4627961-\$ or US-4758003-\$ or US-4764103-\$ or US-4764274-\$ or US-4776653-\$ or US-4829178-\$ or US-4850073-\$ or US-4875827-\$ or US-4882044-\$ or US-4885640-\$ or US-4899685-\$ or US-4914878-\$).did.	USPAT	OR	ON	2007/08/01 10:45
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## EAST Search History

S76	50	(US-20020017307-\$ or US-20030002027-\$ or US-20030142291-\$ or US-20030211009-\$ or US-20050173313-\$ or US-20060067615-\$ or US-20020194988-\$ or US-20030124027-\$ or US-20030145724-\$ or US-20030177842-\$ or US-20040091546-\$).did. or (US-3608562-\$ or US-3771988-\$ or US-4544101-\$ or US-4544102-\$ or US-5350118-\$ or US-5568869-\$ or US-6634365-\$ or US-6916454-\$ or US-3615329-\$ or US-3689935-\$ or US-3734295-\$ or US-3917326-\$ or US-3988240-\$ or US-RE30870-\$ or US-4392943-\$ or US-4805641-\$ or US-4894146-\$ or US-4981580-\$ or US-5079959-\$ or US-5188128-\$ or US-5235009-\$ or US-5442850-\$ or US-5538162-\$ or US-5631730-\$ or US-5810902-\$ or US-5851450-\$). did. or (US-5882372-\$ or US-5932813-\$ or US-6213307-\$ or US-6319295-\$ or US-6395197-\$ or US-6409105-\$ or US-6524368-\$ or US-6549275-\$ or US-6570999-\$ or US-6818043-\$ or US-7024316-\$ or US-7029516-\$ or US-7238216-\$). did.	US-PGPUB; USPAT	OR	ON	2007/08/01 10:45
S77	100	S75 S76	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:48
S78	163645	"435".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:48
S79	38621	"436".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:48
S80	74839	"209".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:48
S81	99170	"422".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:49
S82	273490	(substrate and (channel passage tube path pathway) and (transport push move pump))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:55

## EAST Search History

S83	1	"5932799".PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:55
S84	3	"20020090641" "20020079219"	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:56
S85	2	("5965452" "6428749").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:56
S86	2	("5849208" "6497474").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:56
S87	1	"20040086427"	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:56
S88	273491	S82 S83 S84 S85 S86 S87	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 10:57
S89	9	S83 S84 S85 S86 S87	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:00
S90	68835	"204".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:00
S91	11361	microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:00
S92	6748	S91 and S82	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:37
S93	405183	S78 S79 S80 S81 S90	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:01
S94	4107	S92 and S93	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:01
S95	1207	S94 and ((thin adj film) (thin-film) (thin near3 film))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:38
S96	277	S94 and (((thin adj film) (thin-film) (thin near3 film)) same (electrical electronic electric\$4 electronic\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:38
S97	107	S94 and (((thin adj film) (thin-film) (thin near3 film)) same (piezo heater))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:38

## EAST Search History

S98	62	S96 and S97	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:06
S99	322	S96 S97	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:03
S10 0	260	S99 not S98	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:04
S10 1	4	("6596143" "7081192" "6949176" "6221654").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:06
S10 2	3	("200500148064" "20020036139" "20050272159")	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:06
S10 3	7	S101 S102	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:06
S10 4	2213	S92 and ((thin adj film) (thin-film) (thin near3 film))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:38
S10 5	590	S92 and (((thin adj film) (thin-film) (thin near3 film)) same (electrical electronic electric\$4 electronic\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:38
S10 6	173	S92 and (((thin adj film) (thin-film) (thin near3 film)) same (piezo heater))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:38
S10 7	670	S105 S106	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:38
S10 8	348	S107 not (S93)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:51
S10 9	309	S108 and (sort\$4 separat\$4 classif\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:39
S11 0	76	((substrate) and ((thin-film) (thin adj film)) and (barrier cover top) and (channel path pathway passage) and ((transport pump push) and (heater piezoelectric piezo-electric piezo))).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 11:59
S11 1	1931	209/3.1,3.2,906,155,552,576,644, 207.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 13:05
S11 2	74839	"209".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 13:06

## EAST Search History

S11 3	247	S112 and (chicken poultry)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 13:06
S11 4	160	S113 and conveyor	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 13:06